

Supplemental table 1. Description of the CIGNIS study population at recruitment

	Basal-fortified porridge N=373	Richly-fortified porridge N=370
<i>Infant's characteristics</i>		
Sex male	191 (51)	166 (45)
Birth weight, mean (SD) Kg	3.05 (0.50)	3.05 (0.46)
Stunted at 6 months (length for age < -2 Z)	51 (14)	40 (11)
Breastfeeding duration:		
never	22 (6)	21 (6)
<6 months	39 (11)	29 (8)
breastfeeding at recruitment	312 (84)	320 (87)
Hb, mean (SD) g/L	107.4 (12.0)	107.4 (13.4)
Anemia, Hb <105 g/L	140 (38)	149 (41)
N	351	341
Serum ferritin, median (IQR) µg/L	14.7 (6.9-25.6)	15.5 (7.9-26.3)
Serum ferritin, <10 µg/L	118 (33.6)	102 (29.9)
N	347	344
Serum transferrin receptor, median (IQR) mg/L	8.1 (6.7-10.1)	8.1 (6.7-9.7)
Serum transferrin receptor >11.0 mg/L	65 (18.7)	58 (16.8)
N	289	269
Serum Zinc, median (IQR) µmol/L	9.7 (8.5-10.9)	9.8 (8.5-10.9)
Serum Zinc, <9.2 µmol/L*†	117 (40.5)	104 (38.6)
N	174	178
Vit A, median (IQR) µmol/L	0.6 (0.5-0.9)	0.7 (0.5-0.9)
Vit A <0.7 µmol/L	100 (57.5)	90 (50.6)
<i>Mother's characteristics</i>		
Maternal antenatal HIV status†		
Negative	261 (70)	258 (70)
Positive	79 (21)	78 (21)
Unknown	33 (9)	34 (9)
Mother's age (years)	26.0 (5.7)	26.4 (5.8)
Mother's education		
primary or less	123 (33)	129 (35)
secondary	157 (42)	127 (34)
college/university	93 (25)	114 (31)
Mother's occupation		
housewife	214 (57)	181 (49)
salaried employee	61 (16)	86 (23)
self-employed	39 (11)	31 (8)
other	59 (16)	72 (20)
Marital status		
married	278 (75)	279 (75)
single	79 (21)	72 (20)
divorced, separated, widowed	16 (4)	19 (5)
Tertiles of socioeconomic status		
low	127 (34)	123 (33)
middle	151 (40)	136 (37)
high	95 (25)	111 (30)

Continuous variables summarized as specified in the table. Categorical variables summarized as number in groups (%).

*Taneja et al. (2010), *J Nutr* **140**, 630-4. †Sazawal et al. (1995) *N Engl J Med*, **333**, 839-44. ‡Six infants of mothers HIV-uninfected antenatally and one of an HIV-unknown mother tested HIV-infected by 18 months old.

Adapted from Filteau et al. (2009) *PloS one* **5**, e11165.